

[Replace Claim 5 with the following amended Claim 5:]

92 5. (Amended) An article of manufacture comprising a coating formed of a solid state C<sub>36</sub> material.

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Add new Claims 10-18:

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10. The composition of Claim 1 wherein the solid state material is in the form of a film or a powder.

11. The composition of Claim 1 wherein the C<sub>36</sub> fullerene based molecules are C<sub>36</sub> compounds having other atoms attached to some carbon atoms of the C<sub>36</sub> molecules.

93 12. The composition of Claim 11 wherein the other atoms are halogens.

13. The composition of Claim 12 wherein the halogen is F or Cl.

14. The composition of Claim 1 wherein the C<sub>36</sub> fullerene based molecules are substitutionally doped C<sub>36</sub> molecules having substituent atoms in place of some carbon atoms.

15. The composition of Claim 14 wherein the substitutionally doped C<sub>36</sub> molecules have the formula C<sub>36</sub>-aX<sub>a</sub> where X is the doping atom and 0 • a • 12.

16. The composition of Claim 15 wherein X is N or B.